

# METHOD FOR EFFICIENT PUBLIC KEY BASED CERTIFICATION FOR MOBILE AND DESKTOP ENVIRONMENTS

5

## ABSTRACT

A method for forming a certificate is provided. Generally, a first public key of a first encryption type is placed in the certificate. A second public key of a second encryption type is also placed in the certificate.

10 The invention also provides a method for transmitting a document. Generally, the document is digitally signed. An information string is encrypted with a private key to create a signature, wherein the private key is related to a public key in a certificate, wherein the certificate comprises a first public key and a second public key, wherein the public key related to the private key is the second public key, and where the  
15 information string contains the document. The signature is attached to the information string to create a digitally signed document.